32"/37"
LCD DIGITAL TV

NTSC/ATSC System

User's Guide

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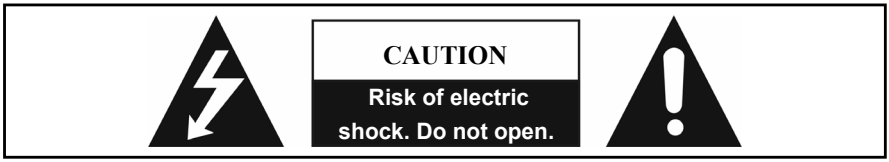
1. IMPORTANT SAFETY INSTRUCTIONS

This 32” / 37” wide active matrix TFT (thin film transistor) liquid crystal monitor is designed for use as a stand alone TV as well as a display device for video electronic appliances and personal computers. Please read through this section carefully and follow the instructions to maximize the reliable operation and lifetime of your LCD display.

Important Information

Warning: To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.



Caution: To reduce the risk of electric shock, do not attempt to disassemble or modify this device. There are no user-serviceable parts inside. Refer any service issues to qualified service personnel.

Caution: FCC/ CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws. Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

WARNING:
Do not leave stationary images, patterns, PIP window, or letterbox images on the screen for prolonged periods of time as this may result in permanent damage to the LCD panel. This type of damage is not covered under warranty. The following are examples of, but not limited to, potentially hazardous display output: side bar images, video game patterns, closed captioning, channel logos and letterbox black bars. To prevent this type of damage, it is recommended to display constantly moving images that fill the screen as often as possible.

According to industrial standards for LCD display technology, there are a certain number of allowable defective pixels. Although we produce panels with more than 99.9% active cells, there still may be some cells that do not produce light or remain constantly lit. For further information, please contact sales or technical support.

Safety Precautions

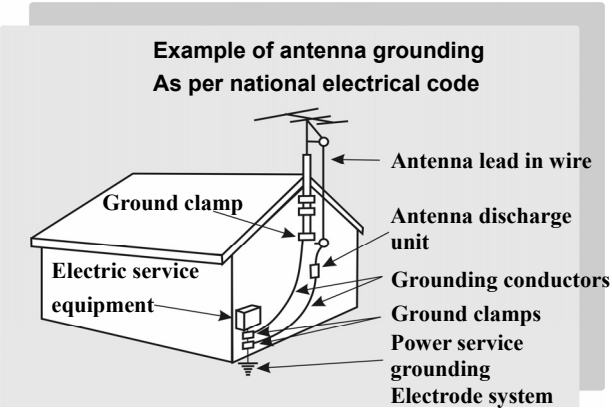
1. Cleaning: Unplug the power cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.

2. Water and moisture: Do not use the product near water or areas of high moisture content such as swimming pools, bathtubs or wet basements.
3. Ensure that no water droplets remain on the screen. Water can cause permanent discoloration.

4. Heat sources: Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

5. For added protection during a lightning storm or for extended periods of non-use, unplug the power cord from the wall outlet and disconnect the antenna (if used). This will prevent damage to the product due to power line surges.

6. If an outside antenna is connected to the product, make sure the antenna is properly grounded so as to provide some protection against voltage surges and build up static charges.



7. Keep the original packaging and use it to protect the LCD display during transport or storage.

8. After transportation your LCD display please wait until it has assumed the ambient temperature between +41˚F~+95˚F before connecting and switching it on. Extremely high variations in the temperature or humidity may result in condensation forming on the inside of the LCD display which could cause an electrical short-circuit.

9. Stand: Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Use only mounting hardware recommended by the manufacturer.

10. Use care when moving the product on a rolling cart. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.

11. Ventilation: The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings as insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surfaces since they can block ventilation openings. This product was not designed to operate in an enclosed environment. Don't place the product in an enclosed space such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.

12. The LCD panel used in this product is made of glass. Therefore, it can break if the product is dropped or struck.

13. During the LCD panel lifespan it is normal for a few pixels to become defective. Non-active pixels may appear on the screen as fixed points of red, blue or green. Refer pixel policy questions to the reseller for further clarification on acceptable loss.

14. An outside antenna system should not be located in the vicinity of overhead power lines or other electrical conduits. When installing an outside antenna, use extreme caution to prevent the antenna from coming into contact with said items, as contact with them may be fatal.

2. INTRODUCTION

Thank you for purchasing our LCD display. We thank you for your confidence in our products and are pleased to greet you as a new customer.

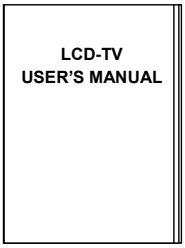
Features

Your LCD display is designed with the latest technology and is a high-performance unit that includes the following special features.

- Multiple input sources including one Ant (antenna) terminal for receiving ATSC/NTSC/clear QAM, and HDMI, D-SUB (VGA connector), Composite, S-Video, Component ports.
- Universal remote control to control other devices such as Cable Converter, Satellite Receiver, DVD player, Audio Amplifier, VCR etc.
- PIP for displaying different sources at the same time on the same screen.
- Component video input for high definition TV programming (HDTV), resolution up to 720p, 1080i.
- High-Definition Multimedia Interface (HDMI), resolution up to 480p, 720p, 1080i.
- Built-in 10W dual channel speakers for 32" LCD display and 15W for 37"LCD display, Audio Out, Sub-woofer Out, and S/P DIF for DTV.
- Built-in multi-channel sound decoder for stereo and bilingual broadcasts.
- Automatic sleep timer control from 10 to 90 minutes in 10-minute increments.
- Automatic power off feature after 1, 5, or 10 minutes without a signal.
- Power off mode selection for energy save (<5 w) or normal (<35w).
- Automatic Picture Control (APC) and Aspect Ratio Control (ARC) functions for end user customization of viewing preferences.
- Built-in 3D comb filter and 3D de-interlacing for best possible picture quality.
- Connection Instruction in the on-screen menu to show the recommendations for the best quality picture of commonly used devices.
- TV Guide to display the list of available channels and the corresponding channel information.

Accessories

Make sure the following accessories are provided with the product.



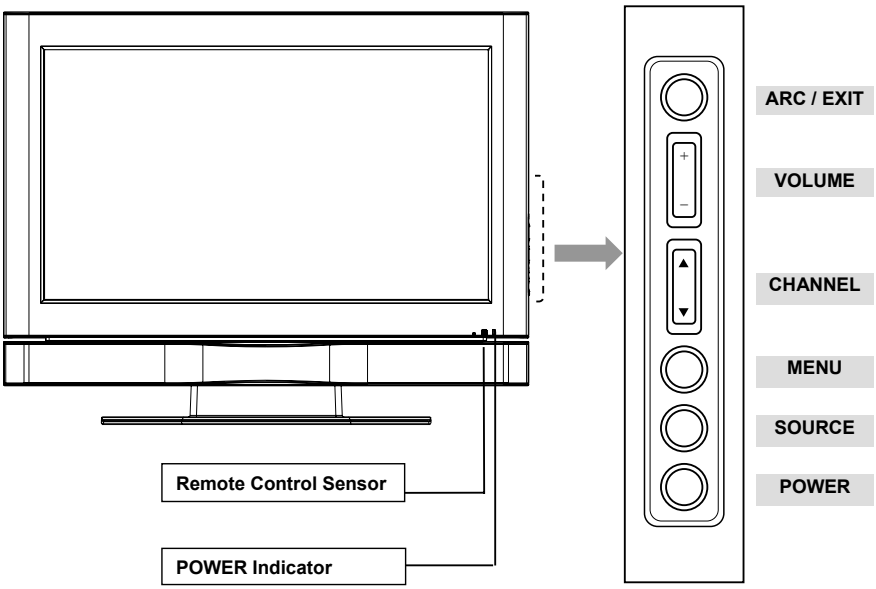
User's manual

Remote control & Batteries (AA x2)

AC Power Cord

3. CONTROLS AND LOCATION

Front and Side Views



Function Keys

These buttons control your TV's basic features, including the on-screen menu. To use advanced features, you must use the remote control.

POWER : Turn the LCD-TV on or off.
SOURCE : Display a list of all the available input sources, and select the source by pressing SOURCE repeatedly (Air TV/Cable TV → A/V1→ A/V2→ S-Video1→ S-Video2→ YPbPr 1→ YPbPr 2→ VGA→ HDMI).
MENU : Press to display the on-screen menu and press again to exit the on-screen menu.
CHANNEL ▲ : Increase the channel no., or access upper items in the on-screen menu.
CHANNEL ▼ : Decrease the channel no., or access lower items in the on-screen menu.
VOLUME ＋ : Increase the volume, or access right items in the on-screen menu.
VOLUME － : Decrease the volume, or access left items in the on-screen menu.
ARC/EXIT : Change the aspect ratio of the screen, or return to the previous menu.

Power Indicator

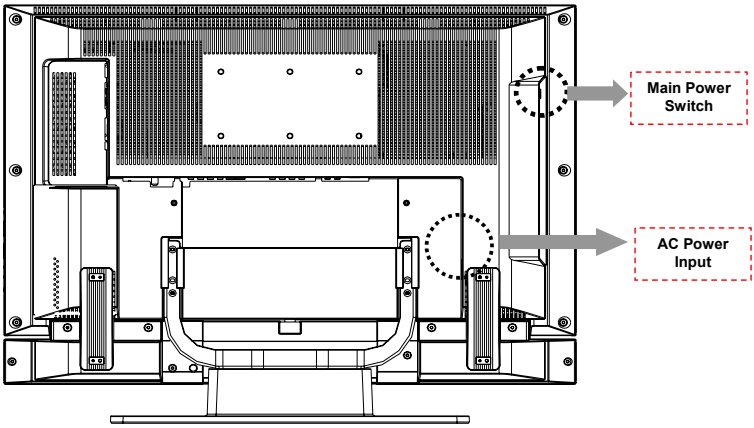
The colors of light indicate the following statuses.

INDICATOR	POWER STATUS	OPERATING
Light Off	Main Power Off	The MAIN POWER SWITCH is set off
No Light **→ Flashing Green Light**	Boot Up	The MAIN POWER SWITCH and Power button are set On. LCD-TV is booting up.
Green Light	Power On (Normal)	The MAIN POWER SWITCH and Power button are set On.
Amber Light	Power Saving	The MAIN POWER SWITCH and Power button are set On. When DPMS mode in OSD is enabled and no signal comes in from the selected input, the LCD-TV will go into standby mode after 1, 5, or 10 min.
Red Light	Power Off	The MAIN POWER SWITCH is set On but the Power button is set Off.

Remote Sensor Window

Use the remote control unit by pointing it towards the Remote Sensor Window on the LCD-TV. Objects between the remote control unit and the Remote Sensor Window may prevent proper operation. If the Remote Sensor Window on the LCD-TV is under direct sunlight or strong lighting, the remote control unit may not work properly. In such case, change the angle of the lighting or the LCD-TV, or operate the remote control unit closer to the Remote Sensor Window.

Rear View



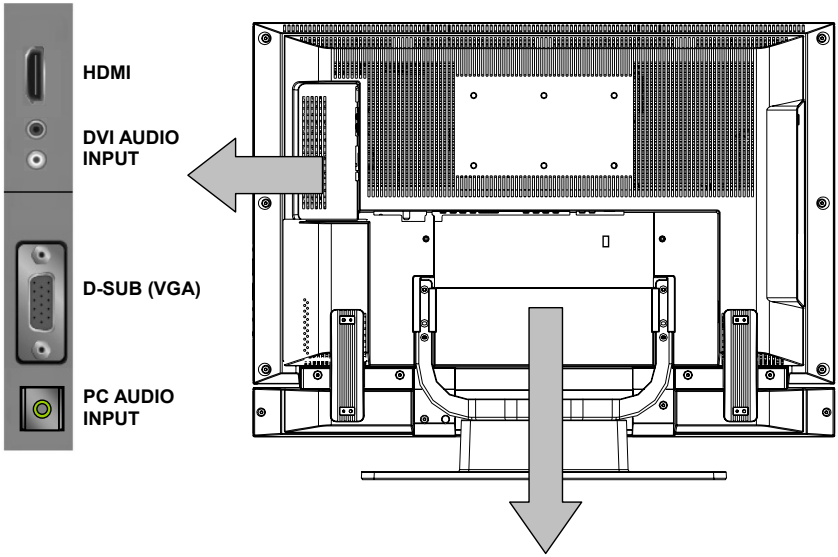
AC Power Input

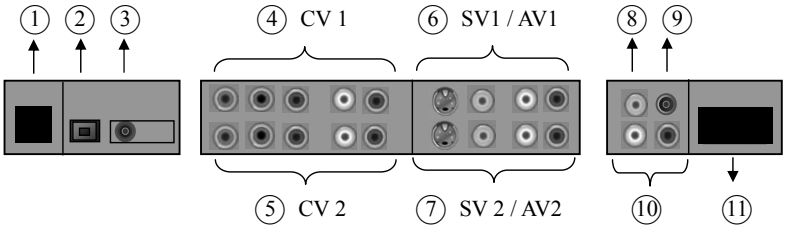
The LCD-TV is designed for AC use only and should be used with supplied AC Power cord. And, connect AC plug into the wall outlet.

Main Power Switch

Before operating the LCD-TV or remote control, users must press **MAIN POWER SWITH** to ***ON***. The **MAIN POWER SWITCH** is located at the upper-left side of the LCD-TV.

Interface





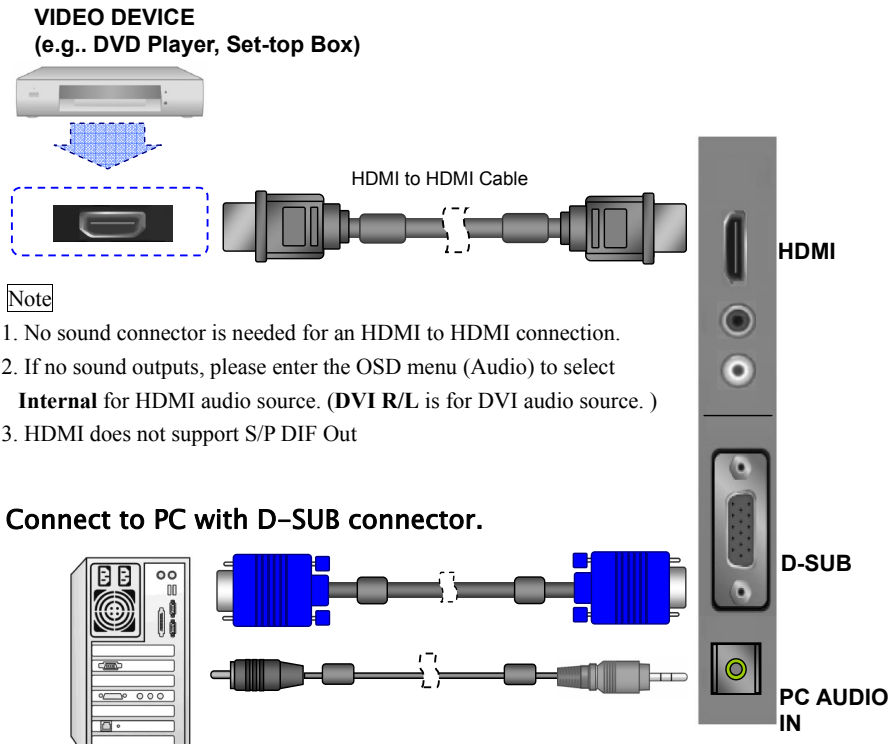
① Service Port : Ethernet RJ-45
② Digital Audio **Out** : S/P DIF
③ Antenna: NTSC/ATSC/QAM Clear
④ Y Pb Pr 1 -- Audio (Left / Right)
⑤ Y Pb Pr 2 -- Audio (Left / Right)
⑥ S-Video 1 / AV 1 -- Audio (Left / Right)
⑦ S-Video 2 / AV 2 -- Audio (Left / Right)
⑧ Composite (AV/TV) **Out**
⑨ Subwoofer **Out**
⑩ Audio **Out** (Left / Right)
⑪ Service Port: RS-232

*** ① and ⑪ are only for updating software, please don't open the cover.**

4. CONNECTING EXETERNAL DEVICES

HDMI、DVI Audio In、D-SUB Connections

* Connect to Video Device with HDMI Output.



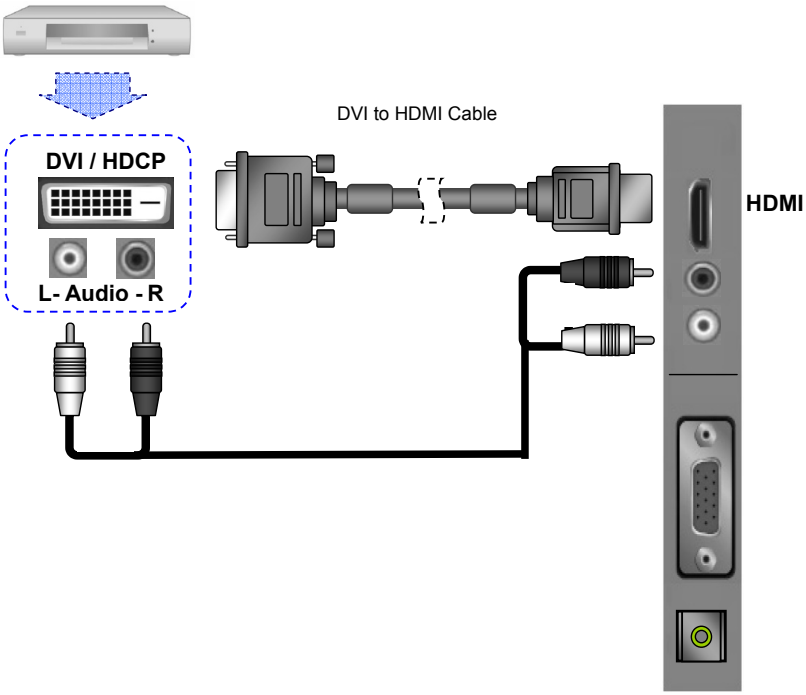
Note

1. No sound connector is needed for an HDMI to HDMI connection.
2. If no sound outputs, please enter the OSD menu (Audio) to select **Internal** for HDMI audio source. (**DVI R/L** is for DVI audio source.)
3. HDMI does not support S/P DIF Out

* Connect to PC with D-SUB connector.

* Connect to Video Device with a DVI Output.

VIDEO DEVICE
(e.g.. DVD Player, Set-top Box)



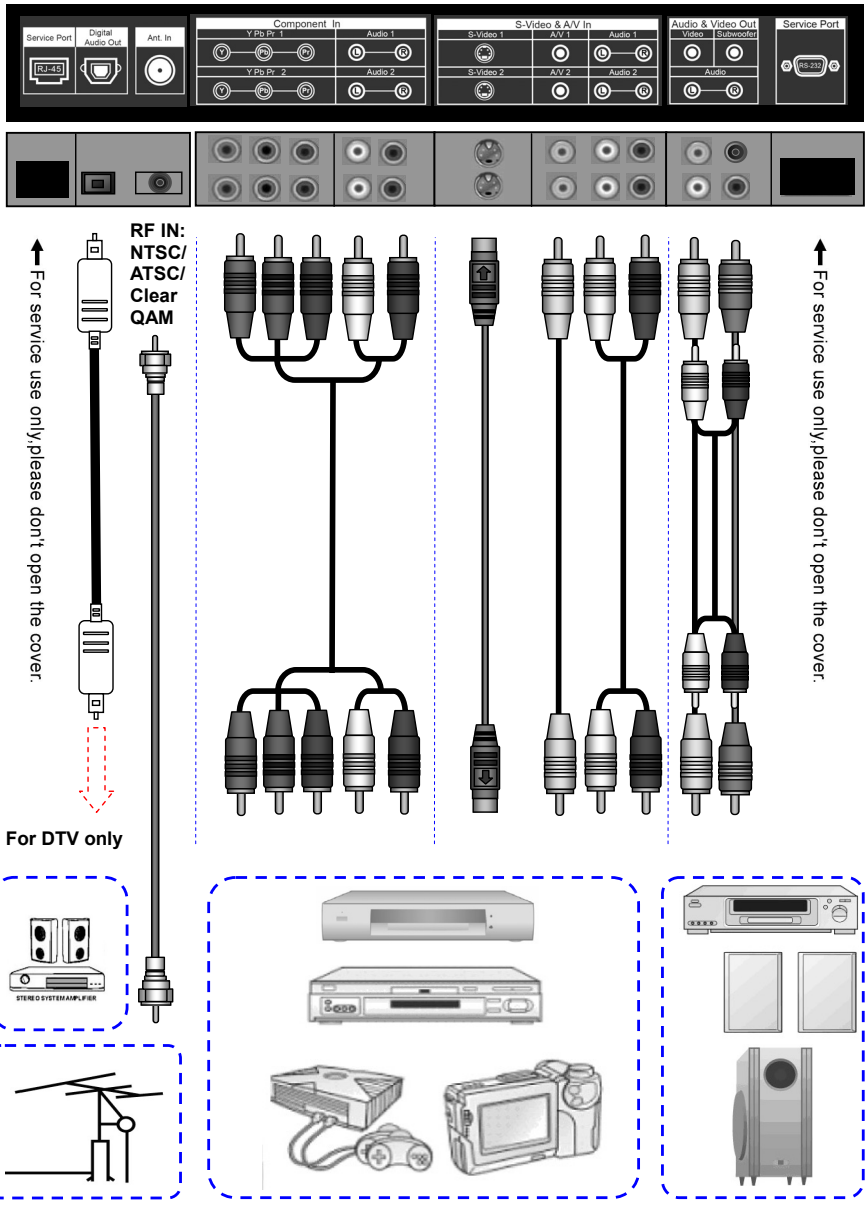
Note

1. Connect a DVI-to-HDMI cable or DVI-HDMI adapter between the external device with DVI and HDMI on the LCD-TV.

2. Connect the audio cables between the Audio Out jacks on DVD player/ Set-top box and Audio In jacks on the LCD-TV.

3. Enter the OSD menu (Audio) to select **DVI R/L** for DVI audio source.

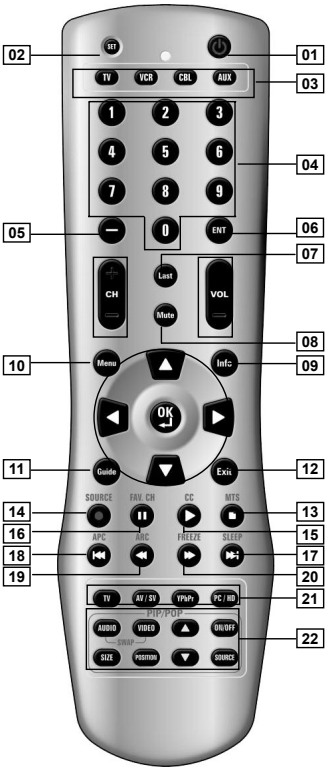
RF In (Analog & Digital)、Video Connections



5. Remote Control

This universal remote control enables control of up to four devices. To select a device, simply select one of the device mode controls: **TV**, **VCR**, **CBL**, or **AUX**.

NOTE To control this LCD-TV, don't forget to press **TV** button(at the top-left of the corner) once to switch back to TV mode, or the LCD-TV won't work by using the remote control.



1 POWER
Turn the device on or off.

2 SET
Set ID code to control different brands.
(refer to page 28~33)

3 **TV** : Control this LCD-TV (default).
VCR:Control DVD player or VCR.
CBL:Control Cable Converter or Satellite.
AUX:Control Audio Amplifier.
(refer to page 26,27)

4 0 – 9 NUMERIC BUTTONS
Manually select channels.

5 —
Display "— " for following sub-channel numbers.

6 ENT (ENTER)
Press ENT to activate the channel at once.

7 LAST
Return to the previous viewed channel.

8 MUTE
Temporarily turn off the sound.

9 INFO
Display or hide the program number and other information.

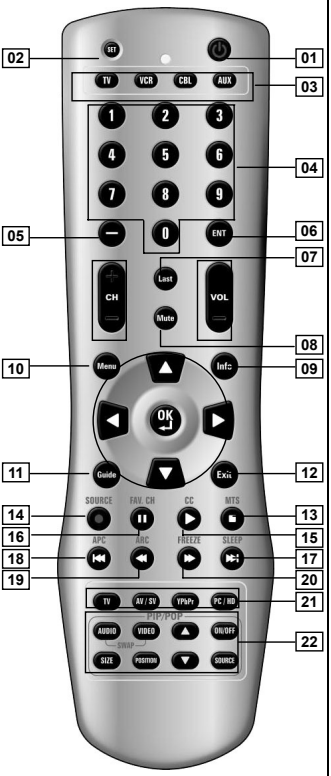
10 MENU
Display the on-screen menu.

11 GUIDE
Display the on-screen electronic program guide.

12 EXIT
Dismiss main menu or return to the previous menu.

13 MTS
Press to select Stereo, Mono or SAP (Separate Audio Program).But sub-display (under PIP mode) is not available.

14 SOURCE
Press to display a list of Main I/P Sources.



15 CC

Display the Closed Caption text.

16 FAV.CH

Switch to channels list.

17 SLEEP

Press to select a preset time interval for automatic shut off.

18 APC (Auto Picture Control)

Toggle screen luminosity between Normal, Sports, Movies, Games and Custom modes.

19 ARC (Aspect Ratio Control)

In PC mode：Set the picture mode to Fill or Standard ..

In TV/Video mode：Toggle the picture mode between Standard→Fill→Zoom→ Subtitle→ Panoramic.

20 FREEZE

Not available. The OSD appear “No function” if press FREEZE button.

21 TV

Switch to TV mode directly.

AV/SV

Switch to AV or S-Video mode directly.

YPbPr

Switch to YPbPr mode directly.

PC/HD

Switch to PC or HDMI mode directly.

22 PIP --ON/OFF

Enable/ Disable PIP viewing window.

PIP--SOURCE

Display a list of PIP input sources.

PIP--SIZE

Not available. The OSD appear “No function” if press POSITION button.

PIP--POSITION

Not available. The OSD appear “No function” if press SIZE button

AUDIO SWAP

Toggle audio sources between the mian display and the PIP window

VIDEO SWAP

Make PIP window the main display and vice versa.

▲ / ▼

Switch the pages in Main Channel List or Guide of DTV.

Summary of Control Buttons

Power Control	
POWER	Turn the device on or off.
Selecting the Main Signal source	
SOURCE	Display a list of Main I/P Sources.
TV	Switch to TV (NTSC/ATSC) mode.
AV/SV	Switch to Composite(AV) or S-Video mode.
YPbPr	Switch to Component (Y/Pb/Pr) mode.
PC/HD	Switch to D-SUB or HDMI mode.
Menu Settings	
MENU	Display the on-screen menu.
OK	Confirm option setting in OSD menu.
EXIT	Dismiss main menu or return to the previous menu.
UP/DOWN/LEFT/RIGHT	Access menu items.
TV Channels	
CH + / -	Press CH+/- to change the channels.
0~9; ENT (Enter)	Select channels and press ENT to activate the channel at once. Or channel activates automatically in 3 seconds.
—	Press to display "—" for following sub-channel numbers.
LAST	Return to the previous viewed channel.
INFO	Press to display or hide the program number and other information.
FAV.CH	Display Main Channel list.
Sound Control	
VOL+ /-	Increase / Decrease volume level.
MUTE	Temporarily turn off audio.
MTS	Press to select Stereo, Mono or SAP (Separate Audio Program).But sub-display (under PIP mode) is not available.
AUDIO SWAP	Toggle audio sources between the primary display and the PIP window.
PIP/POP Control	
PIP--ON/OFF	Enable/Disable PIP viewing window.
PIP--SOURCE	Display a list of PIP Input Sources.
PIP--SIZE	Not available. The OSD appear "No function" if press POSITION button.
PIP--POSITION	Not available. The OSD appear "No function" if press SIZE button.
AUDIO SWAP	Toggle audio sources between the Main display and the PIP window.
VIDEO SWAP	Make PIP window the main display and vice versa.
▲ / ▼	Switch the pages in Main Channel List or Guide of DTV.

Other Functions	
INFO	Press to display or hide the program information
C.C.	Enable/Disabled closed captioning.
APC (Automatic Picture Control)	Toggle screen luminosity between Sports, Movies, Games, and Custom modes.
ARC (Aspect Ratio Control)	In PC mode：Set the picture mode to Standard or Fill. In TV/Video mode：Toggle the picture mode among Standard, Fill, Zoom, Subtitle, and Panoramic.
FREEZE	Not available. The OSD appear “No function” if press FREEZE button.
SLEEP	Select a pre-set time for automatic power down.
Other Devices Control (refer to page 28~33)	
TV	Control this LCD-TV (default).
VCR	Control DVD player or VCR.
CBL	Control Cable Converter or Satellite.
AUX	Control Audio Amplifier.
SET	Press to program the remote control to provide control of other devices.

ARC (Aspect Ratio Control) function

PC Mode

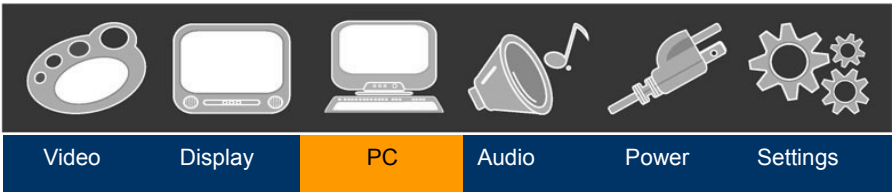
- **Standard:** Sets the aspect ratio to 4:3. There will be black bars to the left and right sides of the screen.
- **Fill:** Expands the width of 4:3 video sources evenly to fill the 16:9 screen. There will be distortion as the image is stretched horizontally.

TV / Video Modes

- **Standard:** Sets the aspect ratio to 4:3. There will be black bars to the left and right sides of the screen.
- **Fill:** Expands the width of 4:3 video sources evenly to fill the 16:9 screen. There will be distortion as the image is stretched horizontally.
- **Zoom:** Extends the image height to fill the screen by stretching the image vertically.
- **Subtitle:** This zooms up the wide picture (16:9 aspect ratio) with subtitles to the full screen.
- **Panoramic:** This mode expands the width of 4:3 video sources evenly to fill the 16:9 screen. There will be distortion as all four edges of the image are stretched, creating less distortion at the center of the screen.

6. Control & Adjustments

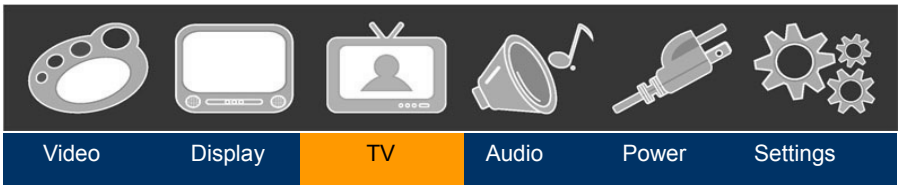
Viewing PC



Main Menu	Sub-menu 1	Sub-menu 2 / 3
Video	Mode	Normal, Sports, Movies, Games, Custom.
	Brightness	0 ~ 100. * Adjust the black level of the display.
	Contrast	0 ~ 100. * Adjust the white level of the display.
	Color	0 ~ 100. * Adjust the intensity of the colors.
	Hue	0 ~ 100. * Adjust the color towards red or green.
	Sharpness	0 ~ 100. * Adjust the clarity of the picture.
	Backlight	6.
	Color Temp	High, Low *Adjust the color temperature.
	Video Reset	Press **OK** → Yes, No. * Select **Yes** to reset video settings back to factory default.
Display	Input Label	HDMI, Cable, Satellite, PVR/DVR, DVD, DVD2, Game, Game2, PC, VCR. * Change the input name of the current source to one of the predefined labels.
	Aspect Ratio	Standard, Fill. * Adjust the ratio between 4:3 and widescreen format.
	PIP	On, Off. * Display the picture in picture input source.
PC	Auto Adjustment	Press **OK** to automatically re-center the image to the middle of the screen.
	Manual Phase	0 ~ 100. * Adjust the phase control to eliminate horizontal streaking.
Audio	Volume	0 ~ 100. * Adjust to increase or decrease the volume level.
	Balance	0 ~ 100. * Adjust the volume difference of the left and right speakers.
	Sub-woofer	0 ~ 100. * Adjust the output level of sub-woofer connecter.
	Equalizer	Normal, Off, Live, Rock, POP.
	Treble	0 ~ 100. * Adjust Treble, when Equalizer is Off.
	Bass	0 ~ 100. * Adjust Bass, when Equalizer is Off.
	MTS (Disable)	SAP, Stereo, Mono.

Main Menu	Sub-menu 1	Sub-menu 2 / 3
Audio	Mute	On, Off. * Turn the sound off or on.
	Aux Out	On, Off. * On: Enable external audio out. * Off: Disable external audio out.
	HDMI	Internal, DVI R/L. * Internal: HDMI cable integrated audio input. * DVI R/L: RCA audio Input for DVI source.(refer to page 13)
Power	Sleep	10Min, 20Min, 30 Min, 40Min 50 Min, 60 Min, 70 Min, 80 Min, 90 Min, Off. * Set the timer to turn off LCD-TV after a specified amount of time. The power consumption at Sleep status depends on Power Mode settings (Normal: < 35 watts ; E. Saver: < 5 watts). * Off: Disable the sleep timer function.
	Power Mode	Normal, E. Saver. * Normal: When turning off the LCD-TV by pressing **POWER** button, power consumption < 35 watts. * E. Saver: When turning off the LCD-TV by pressing **POWER** button, Power Mode enter Normal , after 5 minutes then enter E. Saver , which power consumption < 5 watts , however the re-star (boot up) time will take more than 10 seconds.
Settings	Language	English, Spanish, French. * Switch the language of the OSD.
	OSD Timeout	10 Sec, 30 Sec, 60 Sec * Set the amount of time of inactivity before the OSD disappears.
	Transparency	0 ~ 10. * Adjust the level of transparency of the OSD.
	Time Zone	Atlantic, Eastern, Central, Mountain, Pacific, Alaska, Hawaii. * Set the LCD-TV to the local time zone.
	Connect Instruction	Press **OK** to display an on-screen connection guide. Press again to exit.
	System Info	Press **OK** to display the firmware version and built-on date. Press again to exit.
	Factory Reset	Press **OK** → Yes, No. * Select **Yes** to reset all OSD settings back to the factory defaults.

Viewing TV / Video



Main Menu	Sub-menu 1	Sub-menu 2 / 3	
Video	Mode	Normal, Sports, Movies, Games, Custom.	
	Brightness	0 ~ 100. * Adjust the black level of the display.	
	Contrast	0 ~ 100. * Adjust the white level of the display.	
	Color	0 ~ 100. * Adjust the intensity of the colors.	
	Hue	0 ~ 100. * Adjust the color towards red or green.	
	Sharpness	0 ~ 100. * Adjust the clarity of the picture.	
	Backlight	6.	
	Color Temp	High, Low *Adjust the color temperature.	
	Video Reset	Press **OK** → Yes, No. * Select **Yes** to reset video settings back to factory default.	
Display	Input Label	HDMI, Cable, Satellite, PVR/DVR, DVD, DVD2, Game, Game2, PC, VCR. * Change the input name of the current source to one of the predefined labels.	
	Aspect Ratio	Standard, Fill, Zoom, Subtitle, Panorama. * Adjust the ratio among 5 formats.	
	PIP	On, Off. * Display the picture in picture input source.	
TV	Closed Caption	On, Off.	
	CC Setting	Analog CC	CC1, CC2, CC3, CC4, Text1, Text2, Text3, Text4.
		Digital CC	Service 1, 2, 3, 4, 5, 6.
		Font Size	Small, Standard, Large, Default.
		Font	Font 0, 1, 2, 3, 4, 5, 6, 7, Default.
		Text Color	Transparent, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan, Default.
		Text Opacity	Solid, Flashing, Translucent, Transparent, Default.
		BG Color (Back Ground)	Transparent, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan, Default.
		BG Opacity (Back Ground)	Solid, Flashing, Translucent, Transparent, Default.
	Tuner Source	Air, Cable, IRC, HRC.	
	Add Channel	Press **OK** and manually input channel number and search for signal reception within that range.	

Main Menu	Sub-menu 1	Sub-menu 2 / 3
TV	Auto Scan	Press **OK** to launch auto scan. A bar will show the scan status.
	Delete Channel	Press **OK** to display a Main Channel List, and highlight the Icon (∨) by pressing ◄/ ►/▲/▼. Press **OK** to select ∨ or ⨯ to unskip or skip channel. * ∨ : Channel is included in the channel list. * ⨯ : Channel will not be displayed when scrolling through channels. The channel number could be also highlighted by pressing ◄/ ►/▲/▼. Then press **OK** to tune to that channel.
	Parental Control	Press **OK** to display the window of password, and enter 4-digit PIN to access four kinds of rating systems to set up restrictions. Note If forgetting the PIN, user could enter the universal PIN 6522 to access the rating system.
	TV Guide	Press **OK** to display the corresponding channel information such as start time, end time, program title, program description.
Audio	Volume	0 ~ 100. * Adjust to increase or decrease the volume level.
	Balance	0 ~ 100. * Adjust the volume difference of the left and right speakers.
	Sub-woofer	0 ~ 100. * Adjust the output level of sub-woofer connecter.
	Equalizer	Normal, Off, Live, Rock, POP.
	Treble	0 ~ 100. * Adjust Treble, when Equalizer is Off.
	Bass	0 ~ 100. * Adjust Bass, when Equalizer is Off.
	MTS (NTSC only)	SAP, Stereo, Mono.
	Mute	On, Off. * Turn the sound off or on.
	Aux Out	On, Off. * On: Enable external audio out. * Off: Disable external audio out.
	HDMI	Internal, DVI R/L. * Internal: HDMI cable integrated audio input. * DVI L/R: RCA audio Input for DVI source. (refer to page 13)

Main Menu	Sub-menu 1	Sub-menu 2 / 3
Power	Sleep	10Min, 20Min, 30 Min, 40Min 50 Min, 60 Min, 70 Min, 80 Min, 90 Min, Off. * Set the timer to turn off LCD-TV after a specified amount of time. The power consumption at Sleep status depends on Power Mode settings (Normal: < 35 watts ; E. Saver: < 5 watts). * Off: Disable the sleep timer function.
	Power Mode	Normal, E. Saver. * Normal: When turning off the LCD-TV by pressing **POWER** button, power consumption < 35 watts. * E. Saver: When turning off the LCD-TV by pressing **POWER** button, Power Mode enter Normal , after 5 minutes then enter E. Saver , which power consumption < 5 watts , however the re-star (boot up) time will take more than 10 seconds.
Settings	Language	English, Spanish, French. * Switch the language of the OSD.
	OSD Timeout	10 Sec, 30 Sec, 60 Sec. * Set the amount of time of inactivity before the OSD disappears.
	Transparency	0 ~ 10. * Adjust the level of transparency of the OSD.
	Time Zone	Atlantic, Eastern, Central, Mountain, Pacific, Alaska, Hawaii. * Set the LCD-TV to the local time zone.
	Connect Instruction	Press **OK** to display an on-screen connection guide. Press again to exit.
	System Info	Press **OK** to display the firmware version and built-on date. Press again to exit.
	Factory Reset	Press **OK** → Yes, No. * Select **Yes** to reset all OSD settings back to the factory defaults.

Parental Control & Four Rating Systems

The Parental Control utilizes the Motion Picture Association of America (MPAA)、USTV(FCC) and Canadian English、French Rating Systems for determining blocked programming. When the parental control lock is enabled, the TV will automatically block any programs that are coded with objectionable ratings.

A. MPAA Rating System (Movie)

G : **G**eneral audience (no restrictions).
PG : **P**arental **g**uidance suggested.
PG13 : **P**arents strongly cautioned.
R : **R**estricted. Children under 17 should be accompanied by an adult.
NC17 : **N**o **C**hildren under age 17.
X : **X** Adults only.
NR : **N**ot **R**ated.

B. USTV (FCC) Age-Based Ratings

TV-Y Young children
TV-Y7 Children 7 and over

TV-G General audience
TV-PG Parental guidance
TV-14 Viewers 14 and over
TV-MA Mature audience

USTV (FCC) Content Category

FV : **F**antasy **V**iolence
D : Sexual Suggestive **D**ialog
L : Adult **L**anguage
S : **S**exual situation
V : **V**iolence

C. Canadian English and French Rating System

Canadian English Rating System		Canadian French Rating System	
Rating	**Description**	**Rating**	**Description**
E	Exempt Programming	E	Exempt Programming
C	Children	G	General
C8+	Children over 8 years	8 Ans+	General but inadvisable for young
G	General	13 Ans+	Over 13 years.
PG	Parental Guidance	16 Ans+	Over 16 years.
14+	Over 14 years	18	Over 18 years.
18+	Adults		

Viewing PIP

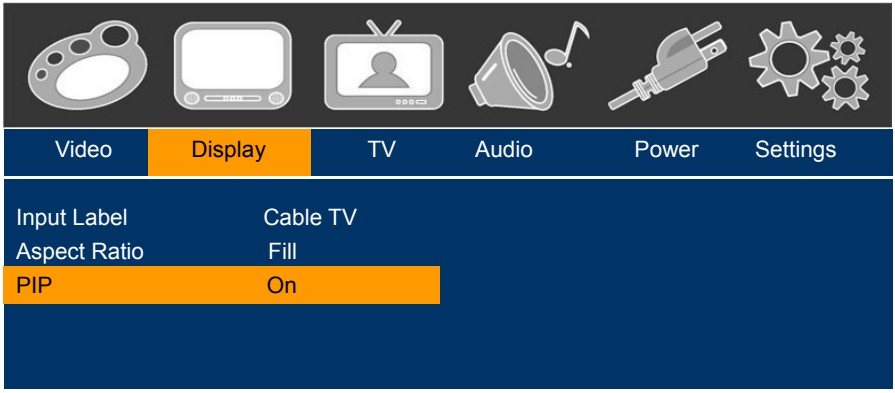


Chart of Main and Sub displays:

Main / Sub	NTSC	VGA	YPbPr1	YPbPr2	S-Video1	S-Video2	A/V1	A/V2	ATSC	HDMI
NTSC										v
VGA										
YPbPr1									v	v
YPbPr2									v	v
S-Video1									v	v
S-Video2									v	v
A/V1									v	v
A/V2									v	v
ATSC		v	v	v	v	v	v	v		
HDMI	v	v	v	v	v	v	v	v		

Note: VGA is only for main display.

7. Programming Remote Control

A. Direct Device Code Setup

Although your Remote Control is set up to provide control of this TV, you can specify other devices to be controlled, according to the following steps.

[MODE] → <<SET>> (2 blinks) → 5- digit device codes (2 blinks)

STEP 1 Locate the desired device in the Device code list.

STEP 2 Select the [MODE] by pressing **VCR, CBL,** or **AUX**.

[MODE]	Device Assignment	Device Group no.
TV	Locked to this TV (Default)	-------
VCR	Universal VCR, DVD, PVR	2
CBL	Universal Cable, Satellite, Video Accessory	0
AUX	Universal Tuner, Amplifier, CD, Mini Disc. And Misc. Audio, Home Automation	3

STEP 3 Depress and hold **<<SET>>** button for a minimum of 3 seconds until LED blinks twice.

STEP 4 Enter the 5-digit code for the desired device. The LED blinks once for every digit entered except for the last digit, where it shall blink twice to confirm that a valid code has been programmed.

NOTE

* Each digit must be entered within 10 seconds, or the Remote Control shall exit programming state.
* Two short LED blinks indicate recognition of the code, after which device control via the remote is enabled.
* A long LED display indicates non-recognition of the code, at which time the code should be re-entered.

Example: ***[VCR]→<<SET>> (2 blinks)→[2]→[0]→[0]→[3]→[5] (2 blinks).***

B. Searching for a Device Code

If none of the codes listed under Device Codes list match your device, you can search for a set of commands that will work. Your Remote will sample all the codes in its system to find one that will allow you to control your device. As the Remote searches its library, it starts with the most popular device in the category and works through to the end. To cycle through each available device code and sample its functions:

[MODE]→ <<SET>> (2 blinks)→ [9] [9] [1] (2 blinks) →[Device Group No.] (2 blinks)→ [POWER] → [CH +] →[CH +]→[CH +] →… [SET] (2 blinks)

[MODE]	Device Assignment	**Device Group No.**
TV	Locked to this TV (Default)	--------
VCR	Universal VCR, DVD, PVR	**2**
CBL	Universal Cable, Satellite, Video Accessory	**0**
AUX	Universal Tuner, Amplifier, CD, Mini Disc. And Misc. Audio, Home Automation	**3**

STEP 1 Select the [MODE] by pressing **VCR, CBL,** or **AUX**.

STEP 2 Depress and hold **<<SET>>** button for a minimum of 3 seconds until LED blinks twice.

STEP 3 Enter the code sequence [9][9][1]. The LED blinks once for every digit entered except for the last digit, where it shall blink twice to confirm that [9][9][1] are entered correctly.

STEP 4 Press **POWER** button. Then, pressing **CH+** repeatedly to cycle through each corresponding function until your device turns off (or on).

STEP 5 Pressing **SET** button will store the new device code and returns to normal operation. The LED blinks twice in confirmation.

Example:

[VCR]→<<SET>> (2 blinks) →[9]→[9]→[1] (2 blinks) → [2] (2 blinks) →[POWER]→[CH +] →[CH +]→… [SET] (2 blinks).

C. Device Codes

The following sections list the available device codes for each device mode button. If there is more than one code listed for device, enter the first one, and then try the POWER button. If the device turns on (or off), the code is correct. If it does not, try the next code. Repeat until you find a code that works.

Cable Converters			
ABC	00003, 00008, 00014	Paragon	00000
Americast	00899	Philips	00317, 01305
Bell & Howell	00014	Pioneer	01877, 00877, 00144, 00533
Bell South	00899	Pulsar	00000
Clearmaster	00883	Quasar	00000
ClearMax	00883	RadioShack	00883
Coolmax	00883	Regal	00279, 00273
Daeryung	01877, 00877, 00477, 00008	Runco	00000
Digi	00637	Samsung	00000, 00144
Director	00476	Scientific Atlanta	01877, 00877, 00477, 00008
Dumont	00637	Sony	01006
Gehua	00476	Starcom	00003, 00014
General Instrument	00476, 00810, 00276, 00003, 00014	Supercable	00276
GoldStar	00144	Supermax	00883
Hamlin	00009, 00273	Tocom	00012
Hitachi	00014	Torx	00003
Jerrold	00476, 00810, 00276, 00003, 00012, 00014	Toshiba	00000
KNC	00008	Trans PX	00276
LG	00144	Tristar	00883
Memorex	00000	TS	00003
Motorola	00476, 00810, 00276, 01254, 01376	V2	00883
MultiVision	00012	Viewmaster	00883
Pace	01877, 00237	Vision	00883
Panasonic	00000, 00008, 00107	Vortex View	00883
Panther	00637	Zenith	00000, 00525, 00899

Satellite Receivers

AlphaStar	00772		NEC	01270
Chaparral	00216		Next Level	00869
Crossdigital	01109		Panasonic	00247, 00701
DirecTV	00392, 00566, 00639, 01142, 00247, 00749, 01749, 00724, 00819, 01856, 01076, 01109, 00099, 01392, 01640, 01442, 01414, 01108		Paysat	00724
Dish Network System	01005, 00775, 01505		Philips	01142, 00749, 01749, 00724, 01076, 00722, 00099, 01442
Dishpro	01005, 00775, 01505		Proscan	00392, 00566
Echostar	01005, 00775, 01505		Proton	01535
Expressvu	00775		RadioShack	00869
GE	00566		RCA	00392, 00566, 00855, 00143, 01392
General Instrument	00869		Samsung	01276, 01109, 01108
GOI	00775		Sanyo	01219
Goodmans	01246		SKY	00856
Hisense	01535		Sony	00639, 01640
Hitachi	00819, 00222, 01250		Star Choice	00869
HTS	00775		Tivo	01142, 01442
Hughes Network Systems	01142, 00749, 01749, 01442		Toshiba	00749, 01749, 00790, 01285
I-Lo	01535		UltimateTV	01640, 01392
JVC	00775		Uniden	00724, 00722
LG	01414, 01226		US Digital	01535
Magnavox	00724, 00722		USDTV	01535
Memorex	00724		Voom	00869
Mitsubishi	00749		Zenith	00856, 01856
Motorola	00869		----------	----------

Audio Amplifiers				
Bose	30674		Sansui	30321
GE	30078		Shure	30264
JVC	30331		Sony	30689
Marantz	30321		Soundesign	30078
Nakamichi	30321		Victor	30331
NEC	30264		Wards	30078
Optimus	30395		Yamaha	30354, 30133
Realistic	30395		----------	----------

Audio Amp/Tuners				
ADC	30531		Onkyo	30842, 30135
Aiwa	31405, 31243, 30121		Optimus	31023, 30670, 30531, 31074
Anam	31609, 31074		Panasonic	31518, 30039
Audiotronic	31189		Philips	31189, 31269
Bose	31229		Pioneer	31023, 30150, 30014, 30630, 30531
Capetronic	30531		Proscan	31254
Carver	31189		Qisheng	31609
Coby	31263		Quasar	30039
Denon	31360, 31142, 30904		RadioShack	31263
Fonmix	31360		RCA	31023, 31609, 31254, 30531, 31074
Glory Horse	31263		Sharper Image	31263
Harman/Kardon	30110		Silsonic	30176
Hitachi	31273		Sony	31058, 31441, 31258, 31759
Inkel	30027		Soundesign	30670
Integra	30135		Stereophonics	31023
JBL	30110		Sunfire	31313
JVC	30074, 31263		Teac	31074, 31267
Kenwood	31313, 31570, 30027		Technics	31308, 31518, 30039
KLH	31428		Thorens	31189
Magnavox	31189, 31269, 30531		Victor	30074
Marantz	31189, 31269, 30039		Wards	30014
MCS	30039		Yamaha	30176, 31276, 31176

VCR				
ABS	21972		Gateway	21972
Admiral	20048, 20209		GE	20060, 20035, 20240
Aiko	20278		General	20045
Aiwa	20037, 20479		Go Video	20432
Alienware	21972		GoldStar	20037, 20209, 20038, 20225
America Action	20278		Haojie	20240
American High	20035		Harman/Kardon	20081, 20038
Amoisonic	20479		Harwood	20072
Anam	20162, 20037, 20240, 20278		Hewlett Packard	21972
Anam National	20162		HI-Q	20047
Asha	20240		Hitachi	20037, 20042, 20055
Audiovox	20037, 20278		Howard Computers	21972
Beaumark	20240		HP	21972
Bell & Howell	20104		Hughes Network Systems	20042, 20739
Broksonic	20184, 20121, 20209, 20002, 20479		iBUYPOWER	21972
Calix	20037		JVC	20045, 20067
Canon	20035		KEC	20037, 20278
Carver	20081		Kenwood	20067, 20038
CCE	20072, 20278		KLH	20072
Changhong	20048, 20081		Kodak	20035, 20037
Citizen	20037, 20278		Kolin	20043
Colt	20072		LG	20037, 20045, 20042, 20209, 20038
Craig	20037, 20047, 20240, 20072		Logik	20072
Curtis Mathes	20060, 20035, 20162		LXI	20037
Cybernex	20240		Magnavox	20035, 20039, 20081
CyberPower	21972		Magnin	20240
Daewoo	20045, 20104, 20278		Marantz	20035, 20081
Dell	21972		Marta	20037
Denon	20042		Matsushita	20035, 20162
DirecTV	20739		Media Center PC	21972
Durabrand	20039, 20038		MEI	20035, 20162, 20037, 20048, 20039, 20047, 20240, 20104,20209, 20479
Electrohome	20037		Memorex	20035
Electrophonic	20037		MGA	20240, 20043
Emerex	20032		MGN Technology	20240
Emerson	20035, 20037, 20184, 20240, 20045, 20121, 20043, 20209, 20002, 20278, 20479		Microsoft	21972
Fisher	20047, 20104		Mind	21972
Fuji	20035, 20033		Minolta	20042
Fujitsu	20045		Mitsubishi	20067, 20043

VCR			
Motorola	20035, 20048	Scott	20184, 20045, 20121, 20043
MTC	20240	Sears	20035, 20037, 20047, 20042, 20104
Multitech	20072	Sharp	20048, 20209
NEC	20035, 20037, 20048, 20104, 20067, 20038	Shintom	20072
Newave	20037	Shogun	20240
Nikko	20037	Singer	20072
Noblex	20240	Sonic Blue	20616
Northgate	21972	Sony	20035, 20032, 20033, 20636, 21972
Olympus	20035	STS	20042
Optimus	21062, 20162, 20037, 20048, 20104, 20432	Sylvania	20035, 20081, 20043
Orion	20184, 20209, 20002, 20479	Systemax	21972
Panasonic	21062, 20035, 20162, 20616, 20225	Tagar Systems	21972
Penney	20035, 20037, 20240, 20042, 20038	Tashiko	20037
Pentax	20042	Tatung	20045, 20067
Philco	20035, 20479	Technics	20035, 20162
Philips	20035, 20081, 20739, 20618	Teco	20035, 20037, 20048, 20038
Pilot	20037	Teknika	20035, 20037
Pioneer	20042, 20067	Tivo	20636, 20618, 21503, 20739
Polk Audio	20081	TMK	20240
Profitronic	20240	Toshiba	20045, 20042, 20067, 20043, 21503 21008, 21972
Proscan	20060	Totevision	20037, 20240
Protec	20072	Touch	21972
Pulsar	20039	Unitech	20240
Qisheng	20060	Vector	20045
Quasar	20035, 20162	Vector Research	20038
Radix	20037	Victor	20067
Randex	20037	Video Concepts	20045
RCA	20060, 20035, 20240, 20042, 20880	Videomagic	20037
Realistic	20035, 20037, 20048, 20047, 20104	Videosonic	20240
ReplayTV	20616	Viewsonic	21972
Runco	20039	Wards	20060, 20035, 20048, 20047, 20081, 20240, 20042, 20072
Sampo	20037, 20048	White Westinghouse	20209, 20072
Samsung	20240, 20045, 20432	XR-1000	20035, 20072
Sanky	20048, 20039	Yamaha	20038
Sansui	20067, 20209, 20479	Zenith	20039, 20033, 20209, 20479
Sanyo	20047, 20240, 20104	ZT Group	21972

DVD Player

Aiwa	20641, 21912		Microsoft	20522
Akai	20770		Mintek	20717
Allegro	20869		Mitsubishi	21521, 20521
Apex Digital	20672, 20717, 20797, 21061, 20796, 21056, 21937, 20794, 21020, 21915		Nesa	20717
Blaupunkt	20717		Norcent	21003
Blue Parade	20571		Onkyo	20503, 20627, 21924, 20792
Broksonic	20695		Oritron	20651, 21980
Changhong	20627, 21061		Panasonic	20490, 21762, 21990
CineVision	20869		Philips	20503, 20539, 20646, 21914
Coby	21086		Pioneer	20525, 20571
Curtis Mathes	21087		Polaroid	21086, 21061
CyberHome	21024, 21023, 21129, 20816, 21117		Polk Audio	20539
Daewoo	20833, 21172, 20869		Portland	20770
Denon	20490		Proscan	20522
DVD2000	20521		Qwestar	20651
Emerson	20591, 20675		RCA	20522, 20571, 20717, 20822
Enterprise	20591		Rio	20869
Fisher	21919		Rotel	20623
Funai	20675		Sampo	20752, 20698
Gateway	21158, 21073		Samsung	20490, 20573, 21932, 21075, 20820
GE	20522, 20717		Sansui	20695
Go Video	20744, 20833, 21099, 20783, 21075, 20869, 21730		Sanyo	20695
Greenhill	20717		Sharp	20630, 20752
Harman/Kardon	20582, 20702		Sharper Image	21117
Hitachi	20573, 20664, 21919		Sherwood	20770
Hiteker	20672		Shinco	20717
Initial	20717		Shinsonic	20533
Integra	20627, 21924		Sonic Blue	20869, 21099
JBL	20702		Sony	20533, 20864, 21033, 21904, 21903
JVC	20558, 20623, 20867		SVA	20717
Kenwood	20490, 20534		Sylvania	20675
KLH	20717, 21020, 21149		Symphonic	20675
Koss	20651, 21980		Teac	20717, 21984, 20809
Lasonic	20798		Technics	20490
LG	20591, 20869, 20801		Theta Digital	20571
Liquid Video	21980		Toshiba	20503, 20695
Lite-On	21158, 21058		Urban Concepts	20503
Loewe	20511		Xbox	20522
Magnavox	20503, 20539, 21976, 21914, 20675		Yamaha	20490, 20539, 20545
Marantz	20539		Zenith	20503, 20591, 20869
Memorex	20695			

8. Troubleshooting

There is no picture or sound.

- Make sure Power cord and Antenna cable are properly connected.
- Make sure the MAIN POWER switch is set to ON.
- Verify that there is a valid source signal.
- Make sure the correct input mode is selected.

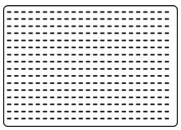
There is no picture from AV.

- Make sure the video sources are plugged into the correct Video-In ports.
- Make sure the BRIGHTNESS is properly adjusted.

There is no sound.

- Check audio connections between equipment and LCD-TV.
- The Audio Out of equipment connects to Audio In of LCD-TV.
- Make sure the volume is not set to minimum.
- Make sure the sound is not muted

There is no picture or sound, just noise.



- The source signal may be weak.
- Your provider may be experiencing difficulties.
- Check your input connections.

Picture is not clear.

- The source signal may be weak.
- The provider may be experiencing difficulties.
- Check input connections.

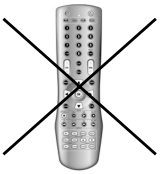
Picture is light or improperly tinted.

- Check the Hue, Saturation and Color adjustments.
- Reset the TV to the factory default settings.

The picture is too dark.

- Select a different APC mode.
- Check the BRIGHTNESS adjustments.
- The fluorescent lamp may have reached the end of its life. Contact an authorized service center.

Remote control does not work.



- Make sure the **VCR**, **CBL**, or **AUX** button for other devices hadn't be pressed. Press **TV** button again.
- Install new batteries
- Make sure the remote sensor window isn't blocked.

The picture is not sharp.

- The signal source may be weak.
- The provider may be experiencing difficulties.
- Check input connections.

The picture moves.

- The source signal may be weak.
- The provider may be experiencing difficulties.
- Check input connections.

The picture is doubled or tripled.

- Adjust the antenna's location and direction.
- Check input connections.
- Keep the LCD-TV away from noise sources.

The picture is spotted.

- There may be interference from other appliances nearby or around the LCD-TV.
  There may be interference between the source cable and the power cable. Make sure they don't touch.

There are stripes on the screen or colors fade.

- There may be interference from other appliances.
- There may be interference between the video source cable and the power cable. Make sure the power and video cables are not touching.
- Check the Hue, Saturation and Color adjustments.

9. PC INPUT PRESET TIMING TABLE

Analog and Digital Timings

Mode No.	Mode Name Resolution	H. Freq (KHZ) V. Freq (HZ)	H. Polarity V. Polarity	Pixel CLK (MHZ)
1	VGA 60HZ 640*480	31.469 59.941	- -	25.175
2	VGA 72HZ 640*480	37.804 72.81	- -	31.5
3	VGA 75HZ 640*480	37.5 75.0	- +	31.5
4	US TEXT 720*400	31.469 70.087	- +	28.322
5	SVGA 56HZ 800*600	31.156 56.25	+ +	36.0
6	SVGA 60HZ 800*600	37.897 60.317	+ +	40.0
7	SVGA 72HZ 800*600	48.077 72.188	+ +	50.0
8	SVGA 75HZ 800*600	46.875 75.0	+ +	49.5
9	XGA 60HZ 1024*768	48.363 60.004	- -	65.0
10	XGA 70HZ 1024*768	56.476 70.069	- -	75.0
11	XGA 75HZ 1024*768	60.023 75.029	+ +	78.75
12	WXGA 60HZ 1280*720	45 60	+ +	74.25
13	WXGA 60HZ 1360*768	47.712 60.015	+ +	85.5

10. HDMI / HDCP Timing Table

Mode No.	Mode Name Resolution
1	480 i
2	480 p
3	720 p
4	1080 i

11. Specifications

ITEMS		V32GCGI	V32GCJI	V37GCGI	V37GCJI
Panel	Screen Size	31.5" TFT - LCD Panel		37" TFT - LCD Panel	
	Aspect Ratio	16：9		16：9	
	Resolution	1366 x 768 (WXGA)		1366 x 768 (WXGA)	
	Display Area (opening) H x V	697.68 mm x 392.25 mm		819.6 mm x 460.8 mm	
	Pixel Pitch	0.511 mm x 0.511 mm		0.6 mm x 0.6 mm	
	Display colors	16.7M colors (8bits)		16.7M colors (8bits)	
	Contrast Ratio	1000 : 1 (typ.)		1000 : 1 (typ.)	
	Brightness	550 cd / m^2 (typ.)		550 cd / m^2 (typ.)	
	Viewing Angle	170° Hor. / 170° Ver. (typ.)		170° Hor. / 170° Ver. (typ.)	
	Response Time (GTG)	8 ms (typ.)		8 ms (typ.)	
TV Function	TV Standard (CCIR)	American ATSC / NTSC			
	Broadcasting System	Tuner Type: NTSC / ATSC / QAM (clear)			
	Receiving Channel	Analog : PLL 181Ch. CATV Digital : 55.25MHZ ~ 859.25MHZ			
	Sound System	Analog : Multi-Channel Sound Digital : Multi-Track Sound			
	Resolution	Analog : 480i Digital : 1080i , 720p, 480i , 480p			
	Data Broadcasting	Close Caption , V - Chip			
Video Input	CV	Y Pb Pr x 2 (720P / 1080i, HDTV ready)			
	SV	S – Video x 2			
	AV	CVBS (Composite) x 2			
	HDMI	HDMI IN with HDCP			
PC Input	D-Sub (15 pin)	Analog Input			
	Scanning Frequency	f_H = 31.5K ~ 60KHz / f_V = 56 ~ 75Hz			
	Recommended	1360x 768 (60Hz)			
Audio Input	Audio 1	Component x 2			
	Audio 2	Composite & S-Video x 2			
	Audio 3	PC x 1			
	Audio 4	HDCP/DVI x 1 (for HDCP/DVI adapt HDMI video in)			
Audio Output	Speaker (built-in)	10W +10W		15W + 15W	
	Line Out	RCA -Jack (L / R)			
	Subwoofer Out	RCA –Jack			
	Digital Audio Out	Optical S/P-DIF Output (for DTV and HDMI)			
Service Ports	Service Ports	RJ-45, RS-232.			
Feature	OSD Language	English, French, Spanish			
	Function Keys	Power, Source, Menu, Up/Down (Channel), +/-(Volume) , ARC/EXIT.			
	Others	PIP, 3D De-interlace, 3D-Comb filter, Equalizer, Noise Reduction, Video Enhance , Sleep timer.			
Power	Power Supply	AC 100V ~ 240V, 50 / 60Hz			
	Power Consumption	< 190 W		< 220 W	
Dimension(mm)	W x H x D (with base)	828 * 651.3 * 240		947 * 722 * 240	
Weight (net)	Without Accessories	22 Kg		25 kg	
Accessories	Universal Remote Control, Batteries, Power Cord, User's Manual.				